BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work: Improvements of Toilet works in Ward No 08

							Est Cost Rs.	2.50 lakhs	
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.21 of PWD SR 2018-2019	Sqm							
	Ceiling Damage Portion		1	1.50	1.30		1.95		
			1	1.20	1.35		1.62		
			1	1.00	0.95		0.95		
	Basic Rate	235.00					**4.52**	**253.80**	**1147.00**
	Area Weightage @ 8%	18.80							
	Total	**253.80**							
2	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.20 of PWD SR 2018-2019 (Inside Plastering)	Sqm							
	Inside wall		1	1.80		1.20	2.16		
			1	1.65		1.00	1.65		
	Basic Rate	254.00					**3.81**	**274.32**	**1045.00**
	Area Weightage @ 8%	20.32							
	Total	**274.32**							
3	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 115, Item No. 15.33, PWD SR 2018-2019	Sqm							
			Qty Vide Item No. 8+9				**8.33**	**34.56**	**288.00**
	Basic Rate	32.00							
	Area Weightage @ 8%	2.56							
	Total	**34.56**							
4	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.17, PWD SR 2018-2019 (Outside Wall)	Sqm							
	Out Side Damage Portion		1	1.30		1.65	2.15		
			1	1.10		1.00	1.10		
	Basic Rate	245.00					**3.25**	**264.60**	**859.00**
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
5	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page No. 117 / Item No. 15.49.1, PWD SR 2018-2019	Sqm							
	Ceiling Portion		8	1.20	1.20		11.52		
			2	2.70	1.50		8.10		
	Inside wall		2	4.00		3.00	24.00		
			2	2.50		3.00	15.00		
							58.62		
	Deductions - For door Doors		0.5x2	1.50		2.10	3.15		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Door 1		0.5x8	0.75		2.10	6.30		
	Ventilator		0.5x8	0.60		0.45	1.08		
							-10.53		
	Basic Rate	110.00					**48.09**	**118.80**	**5713.00**
	Area Weightage @ 8%	8.80							
	Total	**118.80**							
6	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. Page No. 117 / Item No. 15.53.2, SR 2018-2019	Sqm							
	Out Side		2	5.75		3.75	43.13		
			2	4.50		3.75	33.75		
							76.88		
	Deductions - For door Doors		0.5x2	1.50		2.10	3.15		
	Door 1		0.5x8	0.75		2.10	6.30		
	Ventilator		0.5x8	0.60		0.45	1.08		
							-10.53		
	Basic Rate	102.00					**66.35**	**110.16**	**7309.00**
	Area Weightage @ 8%	8.16							
	Total	**110.16**							
7	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. Page No.106, Item No. 14.36.2, PWD SR 2018-2019	Sqm							
	for flooring		2	0.90	1.20		2.16		
			2	1.20	1.00		2.40		
	Basic Rate	1210.00					**4.56**	**1306.80**	**5959.00**
	Area Weightage @ 8%	96.80							
	Total	**1306.80**							
8	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick Page No.106, Item No. 14.41.1 PWD SR 2018-2019	Sqm							
			1	1.25		1.50	60.00		
			1	1.50		1.80	2.70		
	Basic Rate	1271.00					**62.70**	**1372.68**	**86067.00**
	Area Weightage @ 8%	101.68							
	Total	**1372.68**							
9	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size Page No. 56, Item No. 9.84, PWD SR 2018-2019	Sqm							
			2	0.75		2.10	3.15		
	Basic Rate	468.00					**3.15**	**505.44**	**1592.00**
	Area Weightage @ 8%	37.44							
	Total	**505.44**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. Page No. 56, Item No. 9.83, PWD SR 2018-2019	Sqm							
			2	0.75		2.10	3.15		
	Basic Rate	2777.00					**3.15**	**2999.16**	**9447.00**
	Area Weightage @ 8%	222.16							
	Total	**2999.16**							
11	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2018-2019)	M							
			1	40.00			**40.00**	**226.80**	**9072.00**
	Basic Rate	210.00							
	Area Weightage @ 8%	16.80							
	Total	226.80							
12	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spat & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes (P.No.96, I.No. 13.86.3 of PWD SR 2018-2019)	m							
			1	35.00			**35.00**	**316.44**	**11075.00**
	Basic Rate	293.00							
	Area Weightage @ 8%	23.44							
	Total	316.44							
13	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of CSR 2018-2019)	Each							
			10				**10.00**	**484.92**	**4849.00**
	Basic Rate	449.00							
	Area Weightage @ 8%	35.92							
	Total	484.92							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 140mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 Page No. 93,Item No. 13.70.6, PWD SR 2018-2019	m							
			1	35.00			**35.00**	**600.48**	**21017.00**
	Basic Rate	556.00							
	Area Weightage @ 8%	44.48							
	Total	600.48							
15	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455 x 610 mm and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (P.No. 73/ I. No. 11.50 of PWD SR 2018-2019)	Nos							
			4				**4.00**	**7629.12**	**30516.00**
	Basic Rate	7064.00							
	Area Weightage @ 8%	565.12							
	Total	7629.12							
16	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. KBS 11 Page No. 81, Item No. 12.30, PWD SR 2018-2019	Unit							
			1				**1.00**	**4973.40**	**4973.00**
	Basic Rate	4605.00							
	Area Weightage @ 6%	368.40							
	Total	4973.40							
17	KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. (P.No.91/ I.No. 13.25 of CSR 2018-2019)	Each							
			5				**5.00**	**254.88**	**1274.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	236.00							
	Area Weightage @ 8%	18.88							
	Total	254.88							
18	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No. 12.2 of PWD SR 2018-2019)	Pan							
			2				2.00	4561.92	9124.00
	Basic Rate	4224.00							
	Area Weightage @ 8%	337.92							
	Total	4561.92							
19	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22 Page No. 94, Item No. 13.78, PWD SR 2018-2019	Nos							
			1				1.00	7374.24	7374.00
	Basic Rate	6828.00							
	Area Weightage @ 8%	546.24							
	Total	7374.24							
20	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. **(P.No.82, I.No. 12.41 of PWD SR 2018-2019)**	Unit							
			2				2.00	1226.88	2454.00
	Basic Rate	**1136.00**							
	Area Weightage @ 8%	**90.88**							
	Total	**1226.88**							

Total Construction Cost	221154.00
12% GST to Construction Cost	26538.48
1% Cost towards PMC / Third Party inspection LS	2211.54
Sub Total	249904.02
Miscellaneous and rounding off	95.98
Total	250000.00

TECHNICAL SANCTION
Accorded For Rs 2.50 lakhs only
Head of A/c P3294
Div. Ref. No. 74/2021 Date 26/5/2021
AE 26/05
EE(BTP) 26/05

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of PWD 2018-2019.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Administrative Approval
Accorded For Rs 2.50 lakhs only
Head of A/C..P 3294...
CER NO :.....04..... Dt:.22.05.2020

TA

CE (YNK)